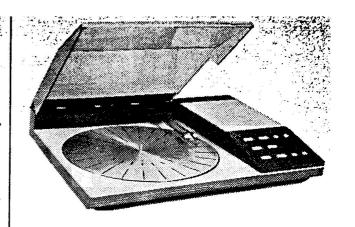
Beogram 8002 Type 5631/32/33/34/35/36/37

Beogram 8000 Type 5611/12/13/14/15/16/17

Beogram 6006 Type 5621/22/23/24/25/26/27





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	Elektrisk stykliste
	Mekanisk stykliste
	Justeringer
	Tekniske specifikationer
	Adskillelse
	Servicetips og isolatonstest
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	Technical specifications
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1-1

Bang&Olufsen

DIAGRAMFORKLARING

På diagrammet er der angivet typenumre på transistorer og IC'er i de tilfælde, hvor typenummeret er entydigt for komponentens placering i kredsløbet – f. eks. TR20/BC 557B.

Hvis positionsnummeret er efterfulgt af en stjerne **skal** reservedelsnummeret benyttes, da denne komponent er specielt udvalgt – f. eks. TR102*.

Koordinatsystem

De største printplader er forsynet med et koordinatsystem. Komponenterne på disse printplader er på diagrammet forsynet med en koordinatbetegnelse, som fortæller i hvilket felt på printpladen de er placeret (mindre skrifttype end positionsnummeret – f. eks. B3).

EXPLANATION OF DIAGRAM

Type numbers of transistors and IC's have been indicated on the diagram in those cases where the type number is unambiguous for the position of the component in a circuitry – e.g. TR20/BC 557B.

If the position number is followed by an asterisk the spare part number must be used because this component has been expecially selected – e.g. TR102*.

Co-ordinate System

The largest PC-boards have been provided with a co-ordinate system. The components on these PC-boards are provided with a grid reference on the diagram indicating in what grid they are positioned on the PC-board (smaller typing than position numbers – e.g. B3).

ERLÄUTERUNGEN ZUM SCHALTBILD

Auf dem Schaltbild sind Typen-Nummern für Transistoren und IC's in den Fällen angegeben, in denen die Typen-Nummer für die Placierung der Komponente in einem Schaltkreis eindeutig ist – z.B. TR20/BC 557B.

Wenn auf die Positionsnummer ein Stern folgt, ist die Ersatzteilnummer zu benutzen, da diees Komponente speziell ausgewählt werden ist -z. B. TR102*.

Koordinatensystem

Die grössten Printplatten sind mit einem Koordinatensystem versehen. Die Komponenten auf diesen Printplatten sind auf dem Schaltbild mit einer Koordinatennummer versehen, die erhält, in welcher Koordinate der Printplatte sie angebracht sind (kleinere Schrifttype als die der Positionsnummer – z.B. B3).

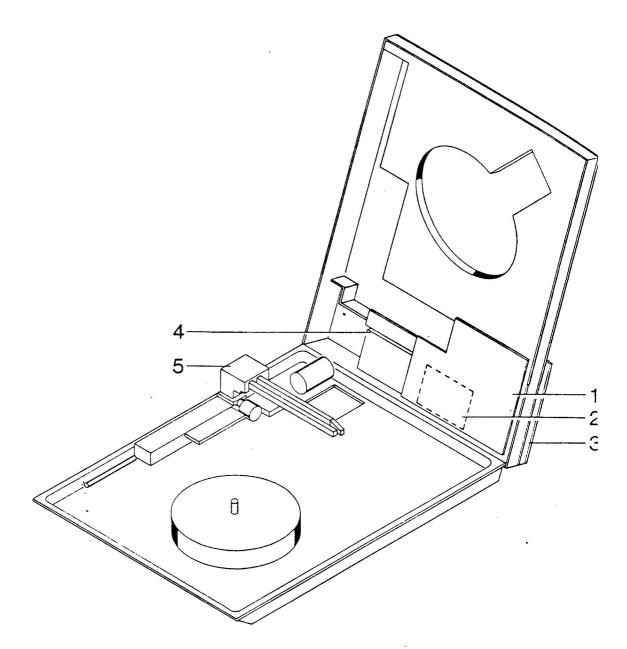
NOTICE EXPLICATIVE DES SCHEMAS

Sur les schémas, les numéros de types sont indiqués pour les transistors et les circuits intégiés dans les cas où le numéro de type est univoque pour la disposition du composant dans un circuit – par example TR20/BC557B.

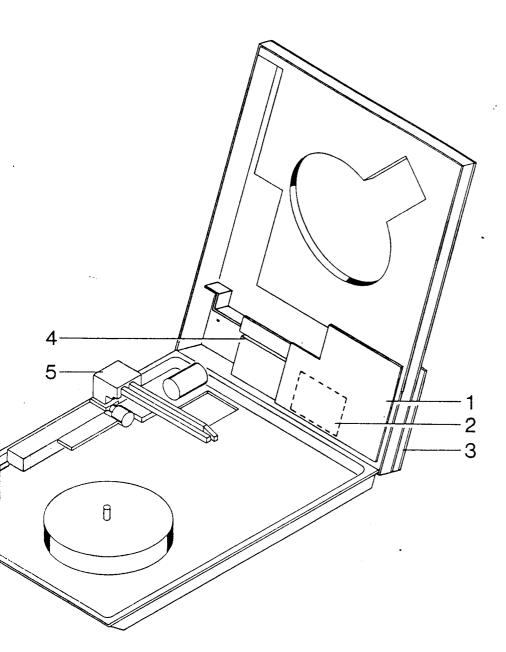
Si le numéro de position est suivi par un astérisque, il faut utiliser le numéro de la piece de rechange, étant donné qu'il agit dès lors d'un composant spécialement sélectionné – par example TR102*.

Systèm de coordonnées

Les plus grands circuits imprimés sont munis d'un système de coordonnées. Les composants de ces circuits imprimés portent un numéro de coordonnée sur le schéma qui indiquent dans quelle coordonnées ils sont placés sur le circuit imprimé (en caractères plus petit que ceux qui indiquent le numéro de position — par example B3).

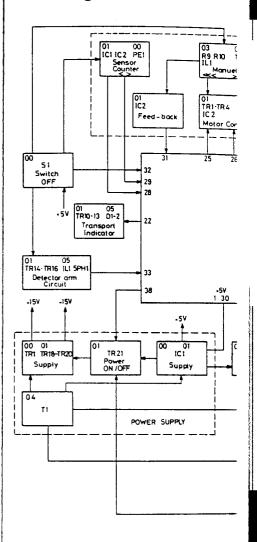


- 1. Control Circuits and Power Supply
- 2. Microcomputer
- : 3. Operating Panel
 - 4. Mains Transformer
 - 5. Sliding Chassis



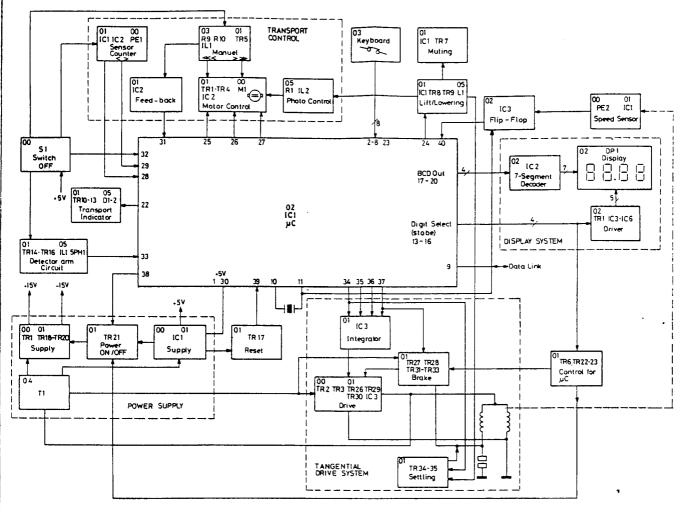
- 1. Control Circuits and Power Supply
- 2. Microcomputer
- : 3. Operating Panel
 - 4. Mains Transformer
 - 5. Sliding Chassis

Block Diagram



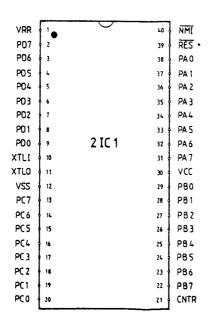
2IC1 Pin Configuration

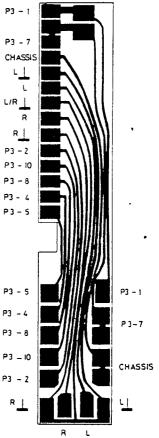
Block Diagram

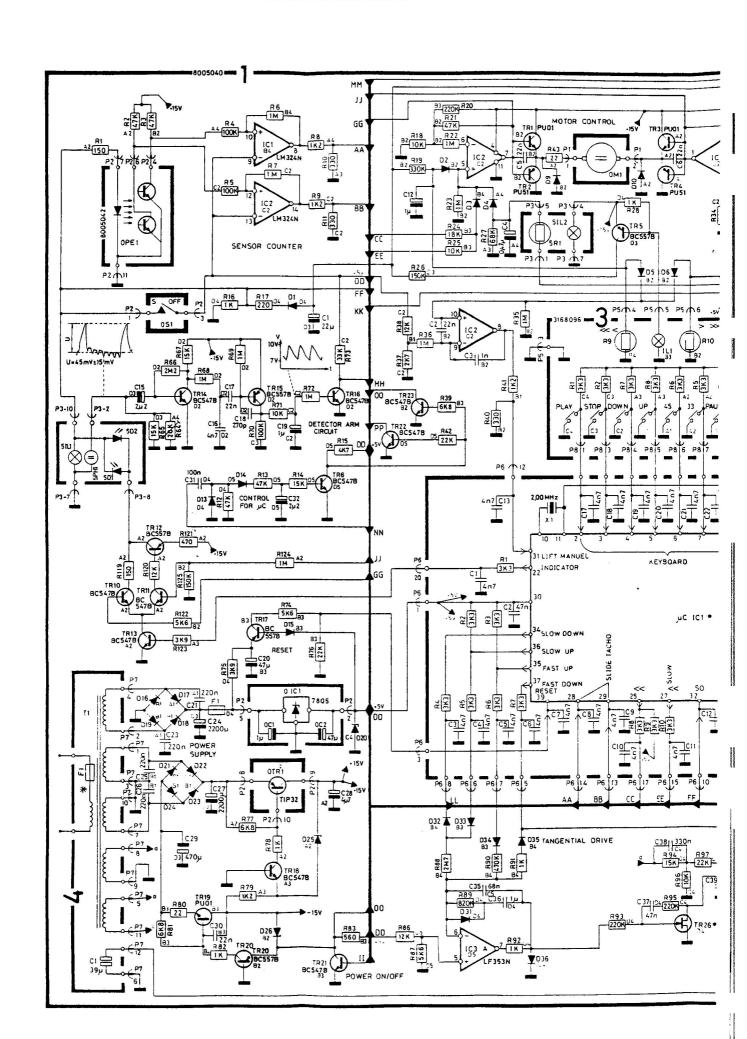


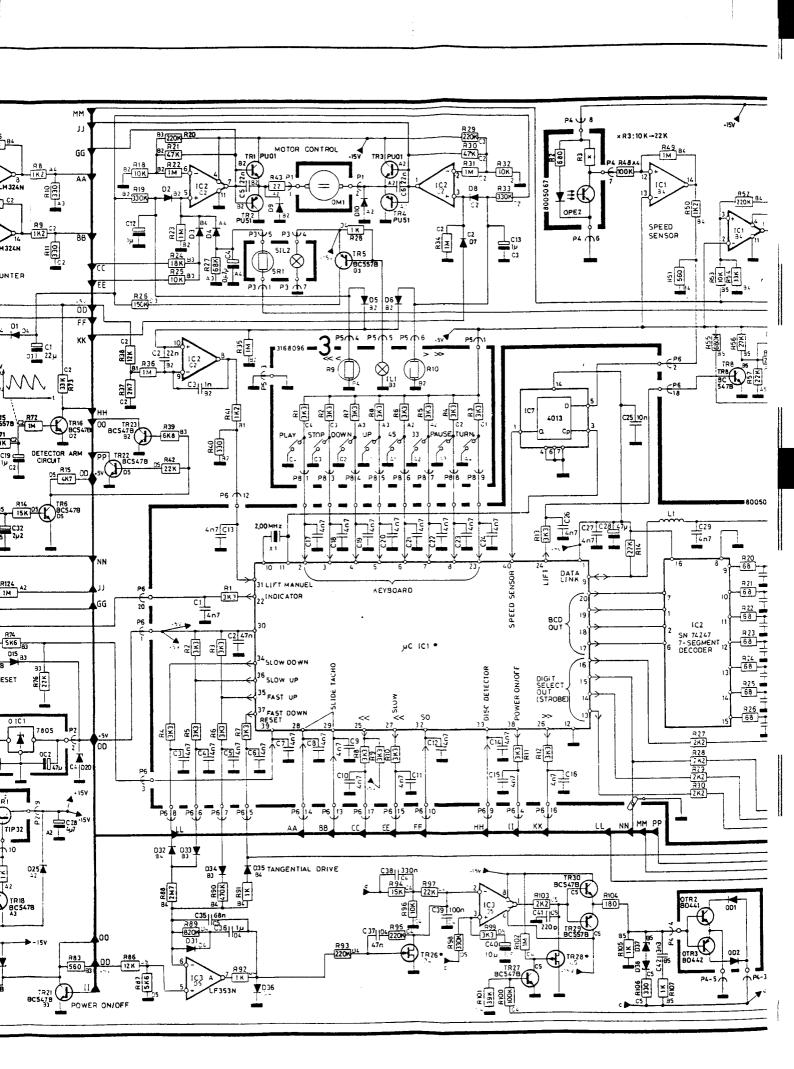
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel: 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

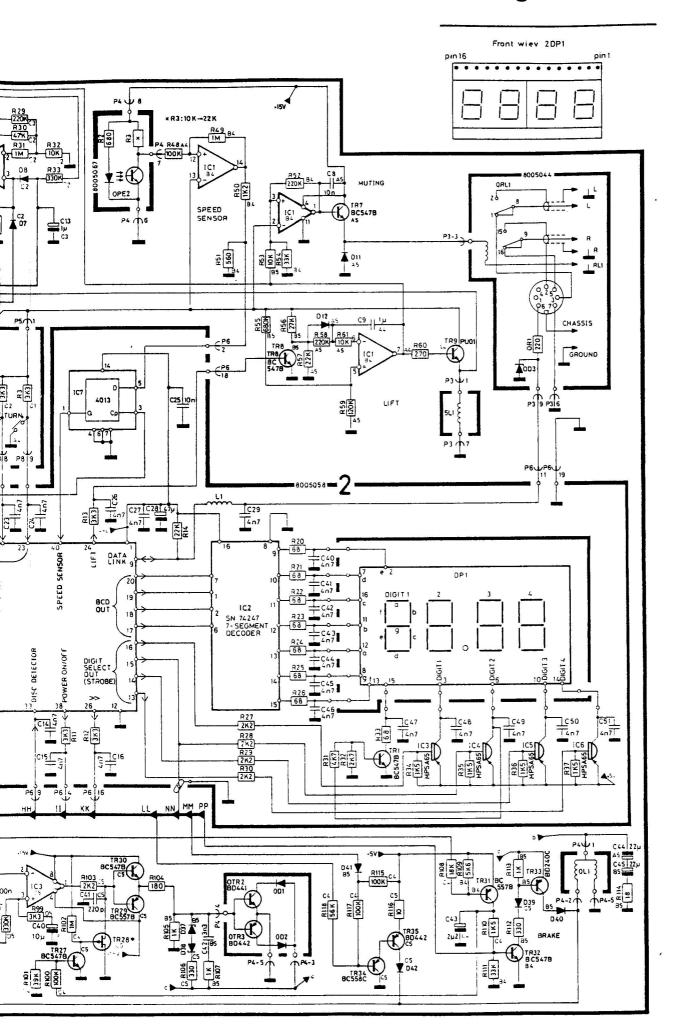
2IC1 Pin Configuration



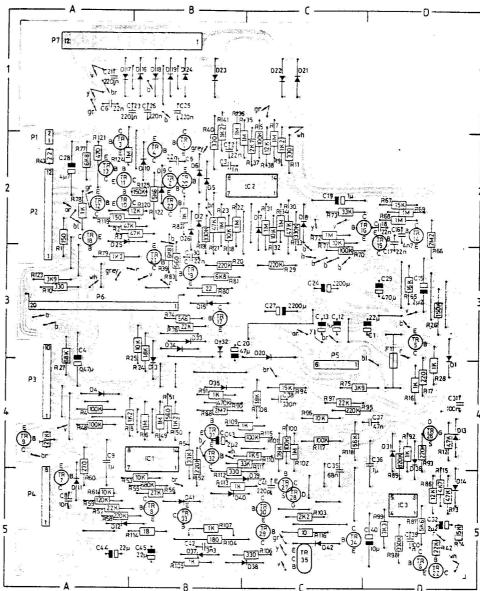




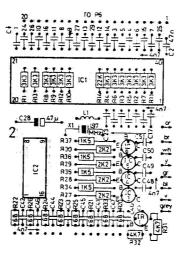




PCB1, Control Circuits and Power Supply



PCB2, Microcomputer



PC-Boards are seen from copperfoil-side.

FUNCTIO	ABI	ĿΕ	21	C2	(SN	742	47)			
DECIMAL		NP	JTS			OUTPUTS					
ON DISPLAY	٥	С	8	Α	α	b	С	d	е	f	g
0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	1	1	0	0	1	1	1	1
2	0	0	1	0	0	0	1	0	0	1	0
3	0	0	1	1	0	0	0	0	1	1	0
4	0	1	0	0	1	0	0	1	1	0	0
5	0	1	0	1	0	1	0	0	1	0	0
6	0	1	1	0	0	1	0	0	0	0	0
7	0	1	1	1	0	0	0	1	1	1	1
8	1	0	0	0	0	0	0	0	0	0	0
9	1	0	0	1	0	0	0	0	1	0	0
	1	1	1	1	1	1	j	1	1 :	1	1

Explanation of the fuse symbols used in the set:

Explanation des symboles du fusible utilisés dans l'appareil:

T 300mA	M
250V	M

Replace with same type 300 mA - 250 V slow acting fuse.

Remplacer par un fusible de même type retardé et de 300 mA - 250 V

T800mA	
250V	

Replace with same type 800 mA - 250 V quick acting fuse.

Remplacer par un fusible de même type rapide et de 800 mA - 250 V.

4C1	4F1★	Туре
39 µF	300 mA-S	5631
$27\mu F$	300 mA-S	5632
27µF	300 mA-S	5633
39 µF	315 mA-S	5634
39 µF	160 mA-S	5635
39 µF	160 mA-S	5636
39 µF	160 mA-S	5637 (AUS)

*0R3 10 - 33 kohms

SEMICONDUCTORS

Transistors and IC's

19	20 2	21 32	33	35	10	1 102
C B E	E B D G S		SOS III BCE	O B C E	16 P	3 2 3
103	105 12	24				
8 5 1 1	N 1 OUT	21				
OTR1	8320257 33	TIP32	1TR21-23	8320097	20	BC 547B
OTR2	8320442 32	BD 441	1TR26	8320449	21	BF 244C
OTR3	8320443 32	BD 442	1TR27	8320097	20	BC 547B
0IC1		5 LM 7805 CT	1TR28	8320466	21	J 175
	105	5 UA 7805 UC 5 MC 7805 CT 6 UA 7805	1TR29	8320152	20	BC 557B
		CKC	1TR30	8320097	20	BC 547B
1TR1	8320422 19	PU 01	1TR31	8320152	20	BC 557B
1TR2	8320423 19	PU 51	1TR32	8320097	20	BC 547B
1TR3	8320422 19	PU 01	1TR33	8320447	35	BD 240C
1TR4	8320423 19	PU 51	1TR34	8320398	20	BC 558C
1TR5	8320152 20	BC 557B	1TR35	8320443	32	BD 442
1TR6-8	8320097 20	BC 547B	1IC1-2	8340157	10 100100	LM 324N TDB 0124
1TR9	8320422 19	PU 01				DP
1TR10-11	8320097 20	BC 547B	1IC3	8340195		LF 353N TL 072 CP
1TR12	8320152 20	BC 557B	-		103	ŲAF 772 TC
1TR13-14	8320097 20	BC 547B	2TR1	8320097	20	BC 547B
1TR15	8320152 20	BC 557B	2IC1	8340454	124	R 1093
1TR16	8320097 20	BC 5478	2IC2	8340156	101	SN 74247N
1TR17	8320152 20	BC 557B	2IC3-6	8340025	19 19	MPSA 65 SPS 5431
1TR18	8320097 20	BC 547B	2IC7	8340261	102	HEF 4013 BP
1TR19	8320422 19	PU 01			102	F 4013PC
1TR20	8320152 20	BC 557B				

Diodes

209 215 21	7 220				
A CONTROL OF A	<u>c</u> (•()•				
	olet A C				
			LL_		
0D1-2 8300102 209	1N 4004	1D26	8300053	217	ZPP 15
				215	BZX 79C
0D3 8300128 209					15V0
209	BZX 79 C5V6			209	15V0
209	BZX 83				1340
	C5V6	1D31-36	8300058	217	SFD 184
				215	1N 4148
OPE1 8330056				209	1N 4148
0005007		1507.00	0000014	200	7DD 47 50/
0PE2 8005067		1D37-38	8300314		ZPD 47 5% BZX 79C 47V
1D1-12 8300058 217	SED 184				BZX 83C 47V
	1N 4148				
209	1N 4148	1D39	8300101	215	BAX 16
101010					
1D16-19 8300102 209	1N 4004	1D40	8300102	209	1N 4004
1D20 8300201 209	ZPD 6V2	1D41	8300058	217	SFD 184
				215	1N 4148
1D21-24 8300102 209	1N 4004			209	1N 4148
1D25 8300313 217	7DD 15\/ 29/	1D42	8300102	200	1N 4004
	BZX 79B	1042	0300102	203	114 4004
	15V0	2DP1	8330006		NSB 3882
209	BZX 83B				
	15V0	5D1-2	8330001	220	CQY 85
					····
					•
					•
			· p, •		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	·				
	· · <u>· · · · · · · · · · · · · · · · · </u>				

LIST OF ELECTRICAL PARTS

Control Circuits 80050088,

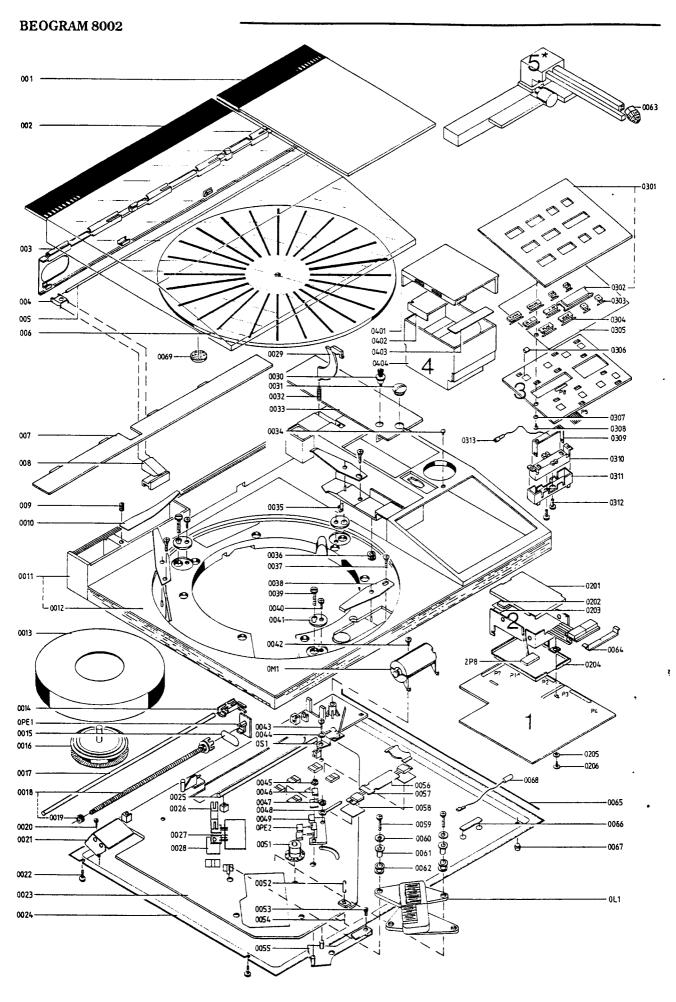
PCB1

0R1 0R2	5010092 5001026	220 kΩ ±5% 1/4 μ 680 Ω ±10% 1/2W	* 0R3		10-22 kΩ ±5% 1/4W
0C1 0C2	4200426 4200364	1 μ F 50V 47 μ F 10V	0RL1	7600059	Relay 12V
R1	5010057	150 Ω ±5% 1/4W	R65	5010053	15 kΩ ±5% 1/4W
R2	5010045	$47 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R66	5010245	$2.2 \mathrm{M}\Omega \pm 5\% 1/4\mathrm{W}$
R3	5010045	$47 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R67 R68	5010053 5010054	15 kΩ ±5% 1/4W 1 MΩ ±5% 1/4W
R4 R5	5100049 5010049	100 kΩ ±5% 1/4W 100 kΩ ±5% 1/4W	R69	5010054	$1 M\Omega \pm 5\% 1/4W$
R6	5010054	1 MΩ ±5% 1/4W	R70	5010049	$100 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R7	5010054	$1 \text{ M}\Omega \pm 5\% \text{ 1/4W}$	R71	5010059	$10 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R8	5010153	$1.2 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R72 R73	5010054 5010075	$1 \text{ M}\Omega \pm 5\% \text{ 1/4W}$ 33 k $\Omega \pm 5\% \text{ 1/4W}$
R9 R10	5010153 5010044	$1.2 \text{ k}\Omega \pm 5\% \text{ 1/4W}$ $330 \Omega \pm 5\% \text{ 1/4W}$	R73	5010073	$5.6 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
RII	5010044	330 Ω ±5% 1/4W	R75	5010069	$3.9 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R12	5010045	$47 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R76	5010079	$22 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R13	5010045	$47 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R77	5010052	6.8 kΩ ±5% 1/4W
R14 R15	5010053 5010048	15 kΩ ±5% 1/4W 4.7 kΩ ±5% 1/4W	R78 R79	5010040 5001030	$1 \text{ k}\Omega \pm 5\% \text{ 1/4W}$ $1.2 \text{ k}\Omega \pm 10\% \text{ 1/2W}$
R16	5010040	$1 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R80	5001004	$22 \Omega \pm 10\% 1/2W$
R17	5010092	220Ω $\pm 5\%$ $1/4W$	R81	5010052	$6.8 \mathrm{k}\Omega \pm 5\% 1/4\mathrm{W}$
R18	5010059	$10 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R82	5010040	$1 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R19 R20	5010117 5010120	330 k Ω ±5% 1/4W 220 k Ω ±5% 1/4W	R83 R86	5010067 5010046	560 Ω ±5% 1/4W 12 kΩ ±5% 1/4W
R21	5010120	$47 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R87	5010041	$5.6 \mathrm{k}\Omega \pm 5\% 1/4\mathrm{W}$
R22	5010054	$1 \text{ M}\Omega \pm 5\% \text{ 1/4W}$	R88	5010431	$2.7~\mathrm{M}\Omega~\pm5\%~1/4\mathrm{W}$
R23	5010054	1 MΩ ±5% 1/4W	R89	5010505	820 kΩ ±5% 1/4W
R24 R25	5010135 5010059	18 kΩ ±5% 1/4W 10 kΩ ±5% 1/4W	R90 R91	5010077 5010040	$470 \text{ k}\Omega \pm 5\% \text{ 1/4W}$ $1 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R26	5010059	$150 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R92	5010040	$1 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R27	5010062	$68 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R93	5010120	$220 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R28	5010040	$1 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R94	5010053	15 kΩ ±5% 1/4W
R29 R30	5010120 5010045	220 kΩ ±5% 1/4W 47 kΩ ±5% 1/4W	R95 R96	5010120 5010059	220 kΩ ±5% 1/4W 10 kΩ ±5% 1/4W
R31	5010043	$1 M\Omega \pm 5\% 1/4W$	R97	5010033	$22 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R32	5010059	10 kΩ ±5% 1/4W	R98	5010117	$330 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R33	5010117	$330 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R99	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R34 R35	5010054 5010054	1 MΩ ±5% 1/4W 1 MΩ ±5% 1/4W	R100 R101	5010049 5010060	100 kΩ ±5% 1/4W 39 kΩ ±5% 1/4W
R36	5010054	1 MΩ ±5% 1/4W	R102	5010054	$1 M\Omega \pm 5\% 1/4W$
R37	5010298	$2.7 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R103	5010064	$2.2 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R38	5010046	12 kΩ ±5% 1/4W	R104	5002016	180 Ω ±10% 1W
R39 R40	5010052 5010044	$6.8 \text{ k}\Omega \pm 5\% \text{ 1/4W}$ $330 \Omega \pm 5\% \text{ 1/4W}$	R105 R106	5010040 5010044	1 kΩ ±5% 1/4W 330 Ω ±5% 1/4W
R41	5010044	$1.2 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R107	5010040	1 kΩ ±5% 1/4W
R42	5010079	$22 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R108	5010135	$18 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R43	5001004	$22 \Omega \pm 10\% 1/2W$	R109	5010041	$5.6 \text{ k}\Omega \pm 5\% 1/4\text{W}$
R48 R49	5010049 5010054	100 kΩ ±5% 1/4W 1 MΩ ±5% 1/4W	R110 R111	5010247 5010075	1.5 kΩ ±5% 1/4W 33 kΩ ±5% 1/4W
R50	5010054	$1.2 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R112	5001021	$330 \Omega \pm 10\% 1/2W$
R51	5010067	$560 \Omega = 5\% 1/4W$	R113	5010040	$1 \text{ k}\Omega \pm 5\% 1/4\text{W}$
R52	5010120	$220 \text{ k}\Omega = 5\% \text{ 1/4W}$	R114	5010822	18 Ω ±5% 1/4W
R53 R54	5010059	10 kΩ ±5% 1/4W 33 kΩ ±5% 1/4W	R115 R116	5010049 5001001	100 kΩ ±5% 1/4W 10 Ω ±10% 1/2W
R55	5010075 5010074	$680 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R117	5010049	$100 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R56	5010141	$27 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R118	5010061	$56 \text{ k}\Omega \pm 5\% 1/4\text{W}$
R57	5010079	$22 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R119	5010057	150 Ω ±5% 1/4W
R58 R59	5010120	$220 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R120 R121	5010046 5001024	$12 kΩ \pm 5\% 1/4W$ $470 Ω \pm 10\% 1/2W$
R60	5010047 5010000	120 kΩ ±5% 1/4W 270 Ω ±5% 1/4W	R121	5010041	$5.6 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R61	5010059	10 kΩ ±5% 1/4W	R123	5010069	$3.9 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
R64	5370068	$22 \text{ k}\Omega \pm 20\%$ Lin.	R124	5010054	1 MΩ ±5% 1/4W
Cl	4200100	22 μF 40V	C12	4200426	l μF 50V
C2	4010060	22 nF -20+80% 40V	C13	4200426	1 μF 50V
C3 C4	4010027 4200285	1 nF ±10% 100V 0.47 μF 63V	C15 C16	4201035 4010063	2.2 μF 63V 4.7 nF ±10% 63V
C5	4010060	22 nF -20+80% 40V	C17	4010060	22 nF -20 - 30% 40V
C6	4130193	22 nF ±20% 63V	C18	4000071	270 pF ±5% 63V N750
C8	4010041	10 nF -20 +80% 40V	C19	4200333	1 μF 63V
C9 C11	4130155 4010041	1 μF ±10% 100V 10 nF -20+80% 40V	C20 C21	4200483 4130215	47 μF 16V 220 nF ±20% 63V
- 11	エイババル	10 III -20 -00 & 40 V	Cal	サエ・ハリン しつ	(OJ)

Microcomputer 8005086, PCB2

C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C35	4130215 4200392 4130215 4130215 4200393 4200275 4010060 4130179 4200423 4130100	2 2200 μF 16V 220 nF ±20% 63V 220 nF ±20% 63V 2200 μF 63V 4.7 μF 63V 470 μF 40V 22 μF -20+80% 40V 100 nF ±20% 63V 2.2 μF 50V	C36 C37 C38 C39 C40 C41 C42 C43 C44 C45	4130155 4130210 4130171 4130179 4200342 4010021 4011025 4200423 4201078 4201078	$47 \text{ nF} \pm 20\% 63V$ $330 \mu\text{F} \pm 20\% 63V$ $100 \text{ nF} \pm 20\% 63V$ $10 \mu\text{F} 63V$ $220 \text{ pF} \pm 10\% 100V$ $3.3 \text{ nF} \pm 10\% 100V$
F1	6604004 7500002 7500013	Holder f/fuse	EC 127		
P1 P2 P3 P4	7220176 7220199 7220169 7220168	Plug 12 pins	P5 P6 P7	7210234 7210287 7220187	Socket 6/5 pins Socket 20 pins Plug 12 pins
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R20 R21	5010827 5010827 5010827 5010827 5010827 5010827 5010827 5010827 5010827 5010827 5010827 5010827 5010823 5010039 5010039	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$ $68 \Omega \pm 5\% \text{ 1/4W}$ $68 \Omega \pm 5\% \text{ 1/4W}$ $68 \Omega \pm 5\% \text{ 1/4W}$	R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37	5010039 5010039 5010039 5010039 5010039 5010064 5010064 5010064 5010048 5010039 5010247 5010247 5010247 5010247	$68\Omega\pm5\%1/4W$ $68\Omega\pm5\%1/4W$ $68\Omega\pm5\%1/4W$ $68\Omega\pm5\%1/4W$ $68\Omega\pm5\%1/4W$ $2.2k\Omega\pm5\%1/4W$ $2.2k\Omega\pm5\%1/4W$ $2.2k\Omega\pm5\%1/4W$ $2.2k\Omega\pm5\%1/4W$ $2.2k\Omega\pm5\%1/4W$ $2.2k\Omega\pm5\%1/4W$ $4.7k\Omega\pm5\%1/4W$ $4.7k\Omega\pm5\%1/4W$ $1.5k\Omega\pm5\%1/4W$ $1.5k\Omega\pm5\%1/4W$ $1.5k\Omega\pm5\%1/4W$ $1.5k\Omega\pm5\%1/4W$ $1.5k\Omega\pm5\%1/4W$
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21	4010063 4030015 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063	4.7 nF ±10% 63V 47 nF -20+80% 16V 4.7 nF ±10% 63V 4.7 nF ±10% 63V	C22 C23 C24 C25 C26 C27 C28 C29 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51	4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063 4010063	4.7 nF ±10% 63V 4.7 nF ±10% 63V 4.7 nF ±10% 63V 10 nF -20+80% 40V 4.7 nF ±10% 63V 4.7 nF ±10% 63V
P8	6273911 6200015 6200029 7200057 8005065	Wires w/socket Flat cable – 7 Flat cable – 10 Socket for IC1 PCB w/IC7	L1 X1	8020342 8090021	10 mH 2 MHz

Operating Panel 3168096, PCB3	R1	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R6	5010076	$3.3 \mathrm{k}\Omega \pm 5\% 1/4\mathrm{W}$
. •	R2	5010076	$3.3 \mathrm{k}\Omega \pm 5\% 1/4\mathrm{W}$	R7	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
	R3	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R8	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$
	R4	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R9	5210009	Photo resistor
	R5	5010076	$3.3 \text{ k}\Omega \pm 5\% \text{ 1/4W}$	R10	5210009	Photo resistor
	IL1	8230068	18V/30 mA			
	P5	6200030	Flat cable 6/5			
	P8	7220144	Plug 9/8 pins			
Mains Transformer, Module 4					···	
	C1	4200391	39 μF 55V type 5631	F1	6600040	300 mA slow type 5631
	C1	4200448	27 μF 55V type 5632	F1	6600040	300 mA slow type 5632
	C1	4200448	27 μF 55V type 5633	F1	6600040	300 mA slow type 5633
	C1	4200391	39 μF 55V type 5634	F1	6600028	315 mA slow type 5634
	C1	4200391	39 μF 55V type 5635	F1	6600039	160 mA slow type 5635
	C1	4200391	39 μF 55V type 5636	F1	6600039	160 mA slow type 5636
	CI	4200391	39 μF 55V type 5637	F1	6600039	160 mA slow type 5637
Sliding Chassis Module 5		" 	·			
	P7	7210203	Socket 12 pins			
	IL1	8230069	5V 60 mA	R1	5210009	Photo resistor
	IL2	8230068	18V 30 mA	PH1	8760002	•
	L1	6810008	Coil	****		
Beogram 8000 and 6006						
Denki ann ooon am ooon		888	4			
	ORL1	7600059	Relay (Omron)			
	1IC1	8340157	LM 324N			
	1D37	8300314	ZPD 47			
	1D38	8300314	ZPD 47			
						

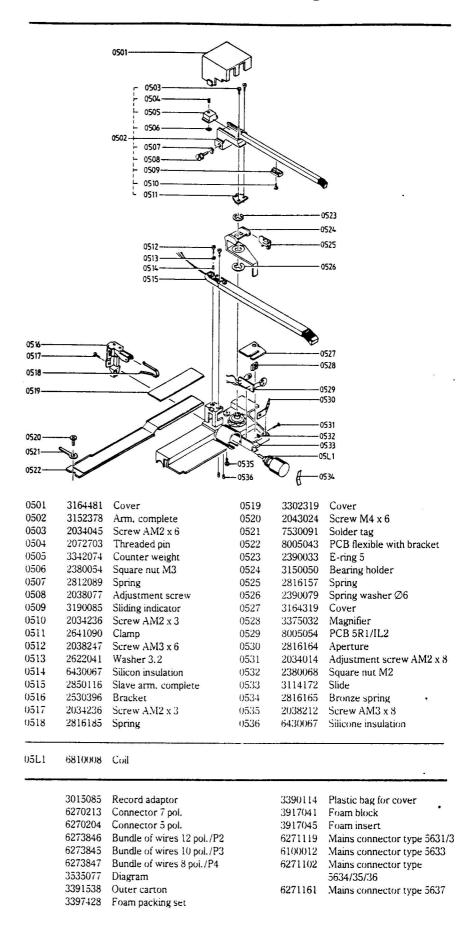


List of Mechanical Parts

C	001	3164425	Lid	0033	3458252	Cover
* 0	002	3164497	Dust cover	0034	3010007	Stop
• 0	003	3030067	Back part	0035	2640040	Locking plate
C	004	2542527	Hinge	0036	2938095	Rubber bushing
C	005	2831043	Shaft	0037	2013028	Screw 2.9 x 16
	006	2726148	Turntable	0038	2816184	Leaf spring
	007	3162131		0039	2042216	
	800	3030048	Bracket	0040	2013207	
	009	2072102	Threaded pin M4 x 12	0041	2641097	
	010	2816168		0042	2015903	Screw 3.5 x 9.5 Screw M4 x 6
U	011	3413911 3413913	Cabinet, teak Cabinet, rosewood	0043 0044	2043013 2624038	Washer 4.2
		3413914	Contraction of the Contraction o	0044	2390081	Locking ring 4
		3413915	Security Process of the Control of t	0045	3151177	Holder
0	012	3458274	CONTROL CONTROL SALES CONTROL	0047	2390081	Locking ring 4
	013	2871009	Petropological Control	0048	7530091	Solder tag
	014	3152293	Holder	0049	3151178	Holder
0	015	2732045	Belt	0051	2938186	Bearing
0	016	2726123	Hub	0052	2514028	Hook
0	017	2830092	Shaft, 50 Hz	0053	2013906	Screw 2.9 x 6.5
		2830099	Shaft, 60 Hz	0054	2894045	Spring
0	018	2993034	Spindle	0055	2852041	Arm
	019	2389057	Threaded bushing	0056	2816163	Bronze spring
	020	2039027		0057	6140697	PCB 0IC1/TR1
0	021	8005044	PCB Muting	0058	3170169	Mica sheet
	000	3302348	Screen for ORL1	0059	2043013	Screw M4 x 16 Washer 4.3
	022	2039027	Screw AM3 x 6, black	0060 0061	2622024 2390079	Bushing
	023 024	3114156 3454236	Floating chassis Bottom	0062	2938149	Rubber bushing
	024	2830093	Shaft	* 0063	8954830	MMC2 (replacement)
	026	2816160	Bronze spring	0064	3151173	Bronze spring
	027	6140698	PCB 0TR2/3	0065	2830084	Shaft
	028	3170169	Mica sheet	0066	3152101	Holder
0	029	3011012	Friction arm	0067	3103067	Rubber foot
* 0	030	3627013	Cleansing brush	0068	6273957	Chassis connection
	031	2775659	Button	0069	3333013	Rubber washer
0	032	2810096	Spring			
_						
20				0.0		Tel 202 (22) 1 (27) 1
0	0L1	3351012	Stator for drive motor	00PE2	8005067	PCB Tacho – light coupler
	OL1 OM1	3351012 8400100	Stator for drive motor Servo motor	00PE2 00S1	8005067 7400242	PCB Tacho – light coupler Micro switch
0		101				
0	0M1	8400100	Servo motor			
0	0M1	8400100	Servo motor PCB servo motor – light			
0	OM1 OPE1	8400100 8330056	Servo motor PCB servo motor – light coupler			
0	OM1 OPE1	8400100	Servo motor PCB servo motor – light			
0	OM1 OPE1	8400100 8330056 8005088	Servo motor PCB servo motor – light coupler PCB1 Control			
* 0	0M1 0PE1 1Modul	8400100 8330056 8005088 3152214	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder	00S1	7400242	Micro switch
* 0	0M1 0PE1 1Modul	8400100 8330056 8005088 3152214 8005086	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor	00S1 0205	7400242 2622052	Micro switch Fibre washer Screw 2 9 x 9 5
* 0	0M1 0PE1 1Modui 2Modul	8400100 8330056 8005088 3152214 8005086 8005065	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop	00S1	7400242 2622052 2013095	Micro switch Fibre washer Screw 2.9 x 9.5
* 0	0M1 0PE1 1Modui 2Modul	8400100 8330056 8005088 3152214 8005086 8005065 3162136	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover	00S1 0205	7400242 2622052 2013095 2938001	Micro switch Fibre washer Screw 2.9 x 9.5 Bushing
* 0	0M1 0PE1 1Modui 2Modul	8400100 8330056 8005088 3152214 8005086 8005065	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop	00S1 0205	7400242 2622052 2013095	Micro switch Fibre washer Screw 2.9 x 9.5
* 0	0M1 0PE1 1Modul 2Modul 201 202	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-tlop Cover Tape	00S1 0205 0206	7400242 2622052 2013095 2938001 3947093	Fibre washer Screw 2.9 x 9.5 Bushing Tape
* 0	0M1 0PE1 1Modul 2Modul 201 202 203	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink	00S1 0205 0206	7400242 2622052 2013095 2938001 3947093	Fibre washer Screw 2.9 x 9.5 Bushing Tape
* 0	0M1 0PE1 1Modul 2Modul 201 202 203 204	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover	0205 0206 02P8	2622052 2013095 2938001 3947093 6273911	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle
0 0 0 0 0 0 0 0 0	0M1 0PE1 1Modul 2Modul 201 202 203 204	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop Cover Tape Heat sink Cover Operating panel	0205 0206 02P8	7400242 2622052 2013095 2938001 3947093 6273911 2011305	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle
0 0 0 0 0 0 0 0 0 0	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel	0205 0206 02P8	2622052 2013095 2938001 3947093 6273911 2011305 2816158	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window	0205 0206 02P8 0308 0309 0310	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3358168 3162136 3168096 3168168 3370123 2775706	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs. small	0205 0206 02P8 0308 0309 0310 0311	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover
* 0.00 * 0.00 0.	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168168 3370123 2775706 2775705	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs. small Set of knobs, large	0205 0206 02P8 0308 0309 0310 0311 0312	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10
* 0.000	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3358168 3162136 3168096 3168168 3370123 2775706	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs. small	0205 0206 02P8 0308 0309 0310 0311	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover
* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape	0205 0206 02P8 0308 0309 0310 0311 0312 0313	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection
* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075 7500148	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-tlop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape Contact spring	0205 0206 02P8 0308 0309 0310 0311 0312 0313	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075 7500148	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-tlop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape Contact spring	0205 0206 02P8 0308 0309 0310 0311 0312 0313	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075 7500148 2622005	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs. small Set of knobs. large Polyester tape Contact spring Fibre washer 2.2	0205 0206 02P8 0308 0309 0310 0311 0312 0313 03P5	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952 6200030	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection Flat cable 6 pol.
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075 7500148 2622005	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape Contact spring Fibre washer 2.2 Type 5631, 100V – 50 Hz Type 5632, 100V – 60 Hz Type 5633, 120V – 60 Hz	0205 0206 02P8 0308 0309 0310 0311 0312 0313 03P5	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952 6200030	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection Flat cable 6 pol. Cover Holder for fuse Insulation piece
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075 7500148 2622005 8013240 8013241 8013242 8013243	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-flop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs. small Set of knobs, large Polyester tape Contact spring Fibre washer 2.2 Type 5631, 100V – 50 Hz Type 5632, 100V – 60 Hz Type 5634, 127V – 50 Hz Type 5634, 127V – 50 Hz	0205 0206 02P8 0308 0309 0310 0311 0312 0313 03P5	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952 6200030	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection Flat cable 6 pol. Cover
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168168 3370123 2775706 2775705 3947075 7500148 2622005 8013240 8013241 8013242 8013243 8013205	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape Contact spring Fibre washer 2. 2 Type 5631, 100V – 50 Hz Type 5632, 100V – 60 Hz Type 5634, 127V – 50 Hz Type 5635, 220V – 50 Hz Type 5635, 220V – 50 Hz	0205 0206 02P8 0308 0309 0310 0311 0312 0313 03P5	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952 6200030 3164321 7200052 2645034	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection Flat cable 6 pol. Cover Holder for fuse Insulation piece
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168096 3168168 3370123 2775706 2775705 3947075 7500148 2622005 8013240 8013241 8013242 8013243 8013244	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape Contact spring Fibre washer 2.2 Type 5631, 100V – 50 Hz Type 5633, 120V – 60 Hz Type 5634, 127V – 50 Hz Type 5635, 220V – 50 Hz Type 5636, 240V – 50 Hz	0205 0206 02P8 0308 0309 0310 0311 0312 0313 03P5	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952 6200030 3164321 7200052 2645034	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection Flat cable 6 pol. Cover Holder for fuse Insulation piece
* 00 00 00 00 00 00 00 00 00 00 00 00 00	0M1 0PE1 1Modul 2Modul 201 202 203 204 3Modul 301 302 303 304 305 306 307	8400100 8330056 8005088 3152214 8005086 8005065 3162136 3947092 3358168 3162136 3168168 3370123 2775706 2775705 3947075 7500148 2622005 8013240 8013241 8013242 8013243 8013205	Servo motor PCB servo motor – light coupler PCB1 Control Cable binder PCB2 Microprocessor PCB Flip-dop Cover Tape Heat sink Cover Operating panel Panel Window Set of knobs, small Set of knobs, large Polyester tape Contact spring Fibre washer 2. 2 Type 5631, 100V – 50 Hz Type 5632, 100V – 60 Hz Type 5634, 127V – 50 Hz Type 5635, 220V – 50 Hz Type 5635, 220V – 50 Hz	0205 0206 02P8 0308 0309 0310 0311 0312 0313 03P5	2622052 2013095 2938001 3947093 6273911 2011305 2816158 3131157 3164324 2044017 6273952 6200030 3164321 7200052 2645034	Fibre washer Screw 2.9 x 9.5 Bushing Tape Wire bundle Screw 2.2 x 3.2 Bronze spring Housing Cover Screw M5 x 10 Chassis connection Flat cable 6 pol. Cover Holder for fuse Insulation piece

^{* 05}Modul 8055026 Sliding chassis

Sliding Chassis 8055026



Parts Not Shown

Beogram 8000 and 6006, Type 561x and 2x

002	3164426	Dustcover 561x	006	2726118	Turntable
	3164132	Dust cover 562x	0030	3627007	Brush
	3030039	Back part	0063	8954670	MMC 20CL (replacement)
	8005040	PCB1, Control	03Modul	3168203	Operating panel 562x
	8005058	PCB2, Microprocessor	0303	2775900	Set of knobs, black
05Modul 0539	8055024	Sliding chassis complete To be deleted in service manual	0540	2390079	Spring washer Ø6

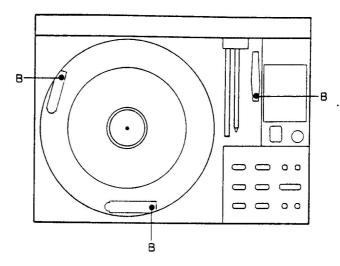
5-1

ADJUSTMENTS

Drive Unit Height

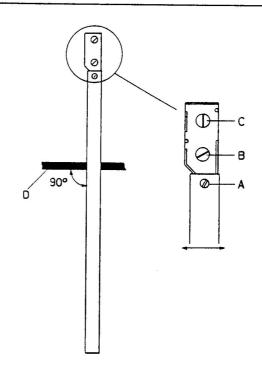
Bang&Olufsen

For some adjustments it is necessary to be able to operate the record player functions with a stationary turntable. The stationary state is obtained by **disconnecting the mains voltage**, removing P4 and reconnecting the mains voltage.



Adjust the screws B – while putting the turntable on and taking it off again – until the top edge of the turntable is 2 mm higher than the cover plate.

Tightening of the Detector Arm

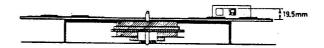


Loosen the screws B and C.

Tighten the screw B very gently.

Turn the detector arm until it is at right angles to the rod D.

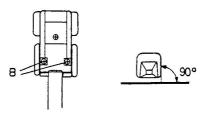
Tighten the screws B and C.



After tightening, check that the height between the upperside of the detetor arm down to the turntable is 19.5 mm.

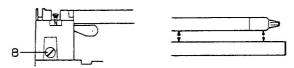
Adjustment is done with the screw A.

Pick-up Parallelism



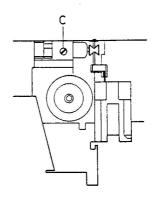
Adjust the screws B – by loosening and tightening respectively – until the side of the pick-up is at right angles to the turntable.

Vertical Parallelism of the Pick-up Arm



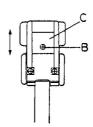
Adjust the screw B gently until the pick-up arm vertically parallels the detector arm.

Horizontal Parallelism of the Pick-up Arm



Adjust the screw C (to be found under the bottom of the carrier unit) until the pick-up arm horizontally parallels the detector arm.

Pick-up Arm Balancing



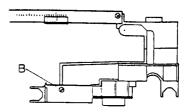
Set stylus pressure at 0.

Loosen screw B.

With the pick-up arm lowered, move the counterbalancing weight C in either of the arrow directions until the pick-up is balanced.

Tighten the screw B and set the stylus pressure at 1 g with MMC2.

Aperture for Photo Control



Adjust the aperture with testing record 3621001 in cutting 5.

Take the pick-up arm across to cutting 5 (stationary turntable) and lower it.

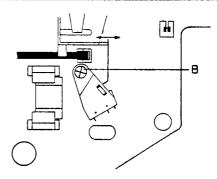
Make sure that the aperture housing is not exposed to any stray light such as a bench lamp.

Make the adjustment with the screw B in such a way that the first servo mechanism regulation after set-down will take place after 2 ± 1 rotations of the turntable and then after each rotation.

To test the aperture regulation only, check that it regulates within 1/2 to 6 revolutions.

It is **possible** to adjust without disassembly, by only removing the black cover which houses the pick-up brush. This adjustment is to be made as above, the only difference being that the turntable must be braked to stop with the hand.

SO Switch

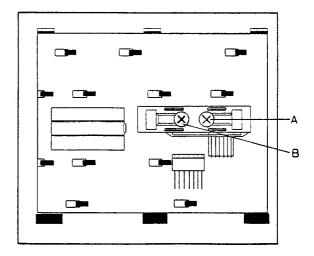


Activate Play with a stationary turntable and with a record with correct 30 cm set-down (146.3 mm to 148.25 mm from the record centre).

Notice the 30 cm set-down position of the pick-up.

Loosen the screw B and move the SO switch in either of the arrow directions so as to compensate for any misplaced set-down.



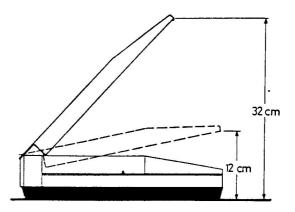


Adjust the screw A and B after approx. 5 minutes operation until 620 mV is measured on pin 4 of P5 and on pin 6 of P5.

Dust Cover Lid Spring

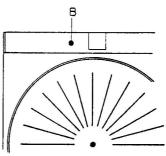
1. Lifting adjustment:

Lift the dust cover lid gently and release it when the lower front edge of the lid has been raised approx. 32 cm above the record player base. The lid will then automatically seek its top position.



2. Lowering adjustment:

Lower the dust cover lid gently and release it when the lower front end of the lid is approx. 12 cm from the base. The lid will then automatically seek its closed position.



Adjust the dust cover lid with the screw B.

Lubrication Chart

The need for relubrication is negligible.

In the case of overhauls and when replacing mechanical parts the directions below should be followed.

Point of lubrication	Lubricant	Remarks '
Turntable bearing	3984008, M4 oil	Apply to shaft point + streak throughout length of shaft
Spindle pos. No. 0018	3984216, Rocol MTS 1000. Dilute to oily consistency (1:1) with 3984221, ESSO NUTO H44/HP32	Apply to spindle at least in 5 points
Spindle bearing	3984030, Barrierta L55/2	
Lift-lower	Castrol oilit 3984211	Apply to needle on pos. No. 0516
Damping of alu. lid 3984005	Kilopoise 3984005	Apply in one streak at each side

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TECHNICAL SP	FCIFIC	ATIONS
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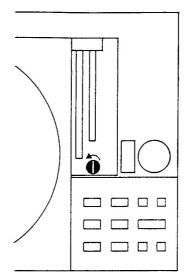
Power Supply and Frequency

Wow and flutter DIN	<±0.04%	
Wow and flutter WRMS	<±0.02%	
Rumble DIN weighted	>75 dB	
Rumble DIN unweighted	>50 dB	
Speeds	33-45 rpm	
Speed diviation	<0.003%	
Speed control range	±3%	
Tangential tracking	<0.04°	
Power consumption	15W	
Dimensions W x H x D	49 x 9 x 37.5 cm .	
Weight	9 kg	
Type 5631	100V 50 Hz	
Type 5632	100V 50 Hz	
Type 5633	120V 60 Hz	
Type 5634	127V 50 Hz	
Туре 5635	220V 50 Hz	
Туре 5636	240V 50 Hz	
type 5637 (AUS)	240V 50 Hz	
Recommended tracking force	10 mN/1 g	
Frequency range	20-20,000 Hz ±1.5 dB	

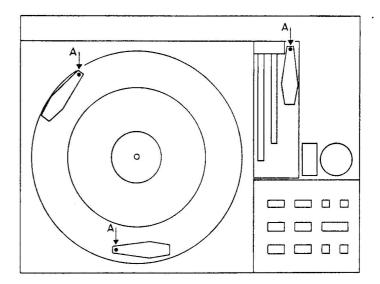
MMC2 Cartridge

Recommended tracking force	10 mN/1 g		
Frequency range	20-20,000 Hz ± 1.5 dB		
Channel separation 1000 Hz	>25 dB		
Channel separation 50-15,000 Hz	>20 dB		
Channel difference	<1.5 dB		
Stylus	Contact line naked diamond		
Cantilever	Sapphire tube		
Effective tip mass	0.3 mg		
Compliance	30 μm/mN		
Sensitivity mV/cm/s RMS	>0.6 mV		
Output 5 cm lateral RMS	>2.12 mV		
Cartridge weight	1.6 g		
Load impedance	≧47 kΩ		
Load capacity	≦400 pF		
Subject to change without notice			

DISMANTLING Servicing Position Loosen the black cover plate below the pick-up arm assembly by turning the black screw 1/4 turn in the direction of the arrow.

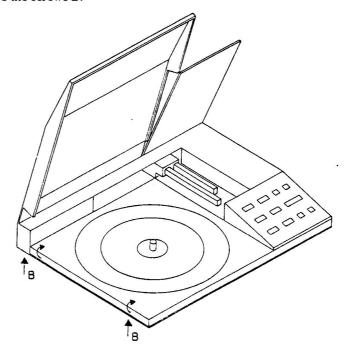


Remove the turntable.



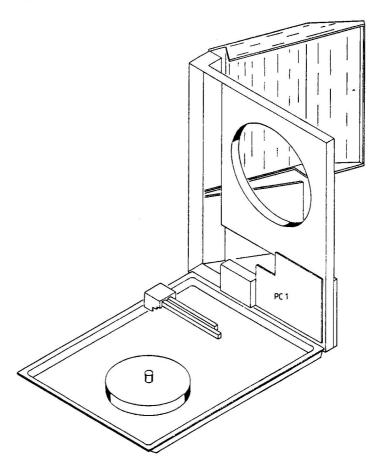
Lift the hooks for the suspension of the train drive/chassis off the suspension springs in the points A.

Remove the screws B.



Push, with due care, the train drive chassis to the right.

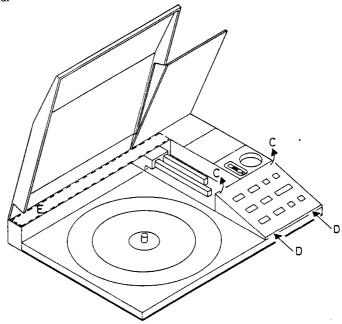
By lifting carefully at the left side of the top part it can now be tilted into the servicing position.



When assembling, make sure the back part (pos. 003) catches the rear edge of the bottom plate completely.

Control Panel

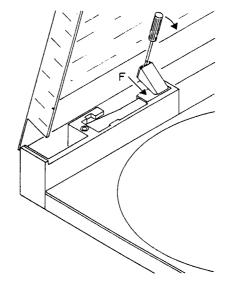
By lifting the rear edge of the control panel/cover (C) the retainer pins may be released.



After the retainer pins at the top edge of the control panel/cover have been loosened, pull the control panel cover in the direction of the arrows C, and then push in the direction of the arrows D.

Dust Cover Spring

Remove cover E.

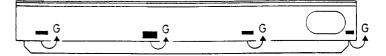


Press the dust cover spring down at the point F while the dust cover remains in its open position.

Insert a screwdriver between the dust cover and the cover hinge.

Lever the screwdriver with care in the direction of the arrow until the cover hinge is released.

Dust Cover



Pull carefully at the rear part in the direction of the arrows G until the rear part and the cover are released.

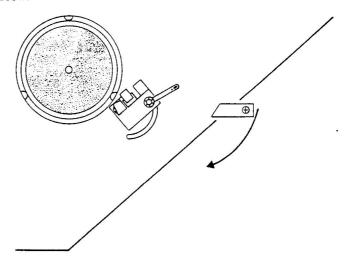
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SERVICETIPS

Turntable Hub

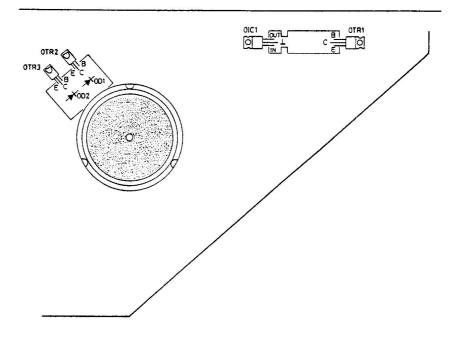
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In order to avoid damage when demounting the turntable hub with the tacho disc, make sure that the opto yoke has been pulled all the way in the direction of the arrow.



Prior to re-mounting the turntable with the tacho disc, make sure that the tacho disc has been cleaned for any dust and dirt, which in certain cases can result in wow.

Layout of Active Components of the Train Drive Chassis



Symbols

	Bang & Olufsen	us
Resistor		
Electrolytic Capacitor	c 🖶	+
Fuse		<u>~~</u>
Lamp	<u> </u>	
Light Emitting Diode (LED)		
Photo Diode (Photosensitive type)		
Silicon Controlled Rectifier (SCR)	SCR	
Varactor		
Zener Diode		
Darlington Transistor (PNP)	<u> </u>	
Wires Crossing		
Wire Connecting	Male P	Male Female
Ground, 0-point DC		<u> </u>

Insulation Test

Each record player **must** be insulation tested after having been dismantled. The test is to be made when the record player has been reassembled completely and is ready for delivery to the customer.

Make the insulation test as follows:

Short-circuited the two pins of the mains plug and connect one of the terminals to the insulation tester.

The other terminal from the insulation tester is connected to the chassis plate near the 7 pol. DIN-socket.

NOTE!

To avoid ruining the record player it is essential that both insulation tester terminals are in really good mechanical contact.

Now slowly turn the voltage control of the insulation tester until a voltage of $1.5-2\,\mathrm{kV}$ is obtained. Hold it there for 1 second, then slowly turn the voltage down again.

At no point during the testing procedure any flash-overs are permissible.